

J. W. Grad, Curacao

JUL 12 1954

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Entomology Research Branch

Postbox 85, Curacao, N.A.

July 6, 1954

To: Dr. R. C. Bushland

From: A. H. Baumhover

Subject: Weekly report - Curacao

EGG MASS COLLECTION DATA
Number of fertile and sterile egg masses at goat pens

Date	1		2		3		4		5		6		7		8		9		10		11		Totals	
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S		
6/28	2	0	0	0	3	0	1	0	0	0	1	0	1	0	2	1	1	0	1	0	2	0	14	1
29	1	0	2	0	5	0	0	0	0	0	0	0	2	0	1	1	0	0	0	0	1	0	12	1
30	2	0	0	0	13	0	0	0	1	0	2	0	1	0	3	0	0	0	0	0	2	0	24	0
7/1	3	1	0	0	8	1	0	0	0	0	0	0	3	0	1	1	0	0	0	0	6	0	21	3
2	2	0	0	0	9	0	0	0	0	0	0	0	1	0	1	0	3	0	0	0	2	0	18	0
3	0	0	1	0	6	1	0	0	0	0	1	0	2	0	3	1	1	1	1	0	3	0	18	3
4	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>14</u>	<u>0</u>
Totals	1		3	0	46	2	2	0	1	0	5	0	15	0	13	4	7	1	2	0	16	0	119	8

Flies released--none

It is rather surprising to me that the sterile egg masses have not dropped off completely since the last release was made on June 9th.

cc: A. W. Lindquist
A. J. Graham

AH Baumhover

JUL 13 1954

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Entomology Research Branch

Postbox 88, Curacao, N.A.

July 6, 1954

To: Dr. R. C. Bushland

From: A. H. Baumhauer

Subject: Weekly report - Curacao

EGG MASS COLLECTION DATA
Number of fertile and sterile egg masses at host pens

	1	2	3	4	5	6	7	8	9	10	11	Totals
F	2	2	2	2	2	2	2	2	2	2	2	2
S	2	2	2	2	2	2	2	2	2	2	2	2
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
Totals	1	2	3	4	5	6	7	8	9	10	11	8

Flies released--none

It is rather surprising to me that the sterile egg masses have not dropped off completely since the last release was made on June 9th.

AH Baumhauer

cc: A. W. Lindquist
A. J. Graham

UNITED STATES DEPARTMENT OF AGRICULTURE
Agriculture Research Service
Entomology Research Branch

Postbox 85, Curacao, N.A.

JUL 19 1954

July 13, 1954

To: Dr. R. C. Bushland

From: A. H. Baumhover

Subject: Weekly report - Curacao

EGG MASS COLLECTION DATA
Number of fertile and sterile egg masses at goat pens

Date	1		2		3		4		5		6		7		8		9		10		11		Totals	
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
7/5	1	1	1	0	4	2	0	0	0	0	0	0	2	0	2	0	3	0	2	0	1	0	16	3
6	1	0	1	0	5	0	1	0	0	0	5	0	1	0	2	0	2	1	1	0	2	1	21	2
7	1	0	0	0	0	0	0	On	0	0	0	0	1	0	0	0	2	1	2	0	2	1	8	2
8	1	0	1	0	3	1	0	0	1	0	1	0	1	0	2	0	3	0	1	0	3	0	17	1
9	0	0	2	0	5	0	0	0	0	0	4	0	3	0	1	0	2	1	0	0	2	1	19	2
10	2	1	1	1	4	0	1	0	1	0	1	0	1	0	1	0	1	0	4	0	2	0	19	2
11	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>19</u>	<u>0</u>
Total	7	2	6	1	26	3	2	0	4	0	11	0	10	0	12	0	17	3	10	0	14	3	119	12

Sterile males released

7/12

Lower half--4500 Upper half--15,000
(Pens 1,2,3,4,5, & 10) (Pens 6,7,8,9, & 11)

All flies were fed before release. In line with the results of the tests conducted at Orlando a 20% honey solution was used. It was necessary to apply the solution 5 or 6 times to each sack, using a pipette, however, we may try small tufts of cotton saturated with the solution.

The flies were sent in two shipments, neither of which had begun to emerge before arrival. Approximately 75% of the flies had emerged at 8 days plus or minus 12 hours.

cc: A. W. Lindquist
A. J. Graham

A. H. Baumhover

cc: A. W. Lindquist
A. J. Graham

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(Pena 1.2, 2.4, 5, & 10) (Pena 6, 7, 8, 9, & 11)
Lower half--4500
Upper half--15,000
Sterile males released

Date	1		2		3		4		5		6		7		8		9		10		11		Totals	
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
7/5	1	1	1	0	4	2	0	0	0	0	0	0	2	0	2	0	2	0	2	0	1	0	16	3
6	1	0	1	0	5	0	1	0	0	0	5	0	1	0	2	0	2	1	1	0	2	1	21	2
7	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	2	0	2	1	8	2
8	1	0	1	0	3	1	0	0	1	0	1	0	1	0	2	0	3	0	1	0	3	0	17	1
9	0	0	2	0	5	0	0	0	0	0	4	0	3	0	1	0	2	1	0	0	2	1	19	2
10	2	1	1	1	4	0	1	0	1	0	1	0	1	0	1	0	1	0	4	0	2	0	19	2
11	1	0	0	0	5	0	0	0	2	0	0	0	1	0	4	0	0	0	0	0	2	0	19	0
Total	7	2	6	1	26	3	2	0	4	0	11	0	10	0	12	0	14	3	10	0	14	3	119	12

EGG MASS COLLECTION DATA
Number of fertile and sterile egg masses at each pen

Subject: Weekly report - Curacao

From: A. H. Baumhover

To: Dr. R. C. Bushland

July 13, 1954

Postbox 85, Curacao, N.A.

UNITED STATES DEPARTMENT OF AGRICULTURE
Entomology Research Branch
Agriculture Research Service

JUL 19 1954

United States Department of Agriculture
Agricultural Research Service
Entomology Research Branch

Postbox 85, Curacao, N.A.

A. W. Erad Curacao

JUL 22 1954

July 19, 1954

To: Dr. R. C. Bushland
From: A. H. Baumhover
Subject: Weekly report - Curacao

EGG MASS COLLECTION DATA
Number of fertile and sterile egg masses at goat pens

Date	1	2	3	4	5	10	Total	6	7	8	9	11	Total
	F	S	F	S	F	S	F	F	S	F	S	F	S
7/12	1	0	0	0	0	0	9	1	0	2	0	4	0
13	0	0	1	0	0	0	7	2	0	0	0	3	0
14	4	0	0	0	0	1	14	1	0	1	0	3	0
15	2	0	0	0	0	0	7	2	0	0	0	0	0
16	2	0	0	0	0	0	4	1	0	2	0	3	0
17	2	0	0	0	0	0	8	1	0	1	1	3	0
18	3	0	0	0	0	0	9	1	1	2	1	3	0
Total	14	0	1	0	2	1	58	9	1	9	1	19	0

Sterile males released

7/17-- Lower half - 5670; upper half - 18650
Percent emergence--96%

cc: A. W. Lindquist
A. J. Graham

From: A. H. Baumhoyer
To: Dr. R. C. Bushland

Entomology Research Branch
Agricultural Research Service

July 19, 1954

bennefor polam eliyots

Percent emulsion = 38%
 05687 - 11th Regt - 1890
 05688 - 11th Regt - 1890

cc: A. W. Lindquist
A. J. Graham

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Entomology Research Branch
Postbox 85, Curacao, N.A.

July 26, 1954

EGG MASS COLLECTION DATA

Number of fertile and sterile egg masses at goat pens

Date	1		2		3		4		5		10		Total		6		7		8		9		11		Total	
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
7/19	2	3	0	0	1	1	1	1	2	0	0	0	4	6	4	0	2	0	1	0	2	0	4	1	13	1
20	1	0	0	0	2	0	0	0	2	0	0	0	5	0	1	2	2	0	2	0	2	0	1	3	8	5
21	1	1	0	0	1	1	1	1	0	1	0	0	3	4	1	0	1	0	0	2	2	2	2	0	6	4
22	2	0	1	0	5	0	2	2	2	0	0	0	12	2	0	0	1	1	0	1	2	2	3	1	6	5
23	0	0	0	0	4	1	2	1	0	0	0	0	6	2	0	1	1	1	0	0	3	0	3	0	7	2
24	4	0	0	0	4	1	1	1	0	0	0	1	9	3	0	1	3	0	1	1	1	2	1	4	6	8
25	1	1	0	0	3	1	1	0	0	0	0	0	5	2	0	0	0	1	0	1	2	1	2	2	4	5
Total	11	5	1	0	20	5	8	7	4	1	0	1	44	19	6	4	10	3	4	5	14	7	16	11	50	30
														Sterility		30%		Sterility		38%						

Flies released (sterile males)

Date	Lower half	Upper half
7/21	3,700	6,300
7/23-24	5,700	35,180

It is my opinion that these early results are sufficiently encouraging for the Orlando personnel to anticipate increasing production to treat the entire island at the 400 rate following completion of the present release schedule.

Recent tests both at Orlando and Curacao indicate that undiluted honey gives somewhat better results than 20 or 50% honey so we are currently feeding the flies undiluted honey before release.

cc: A.W. Lindquist
A.J. Graham

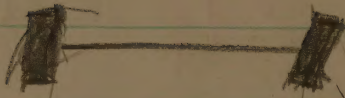
	1	2	3	4	5	10	Total	6	7	8	9	11	Total
	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
26	02	00	51	23	01	00	77	00	00	00	11	12	23
27	00	00	40	00	00	00	40	01	00	10	30	22	63
28	20	00	11	01	00	10	42	11	01	02	10	11	35

July 29, 1954

Bush: Thought you would be interested in the current data —
 ac

P.S. You may be surprised to know that we have moved from the pension area Bonito after 5 months in the same place we felt that we needed a change. We were able to rent a nice, completely furnished K & N house until December 1st. It is within a few blocks of the lake and simplifies going back and forth. We're getting along fine here - moving will be a substitute for a vacation and with favorable data coming in, the work will be getting more exciting. Best regards, ac

AUG 2 - 1954



2 gms

30 cc

30)